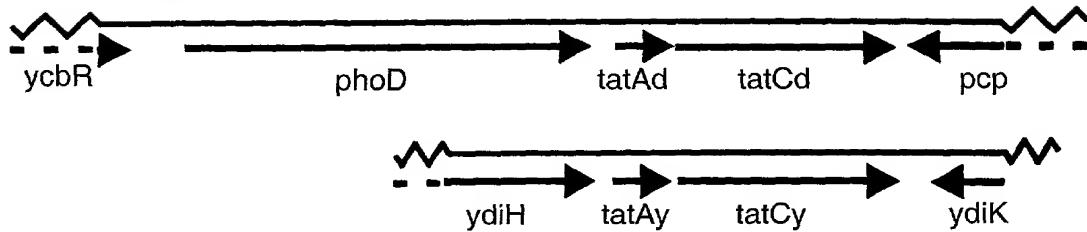


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FIG. - 1A

FIG 1B

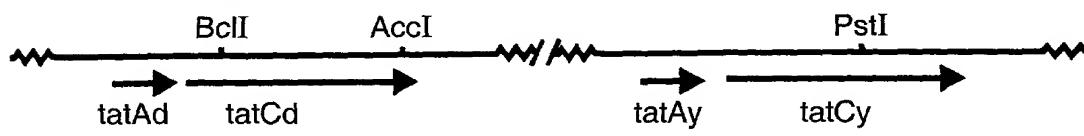
A *B. subtilis*



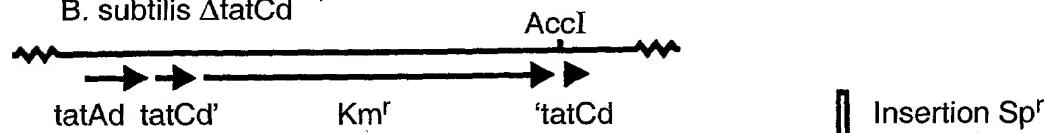
B *E. coli*

FIG._2

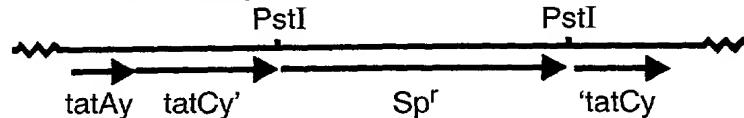
A *B. subtilis* 168



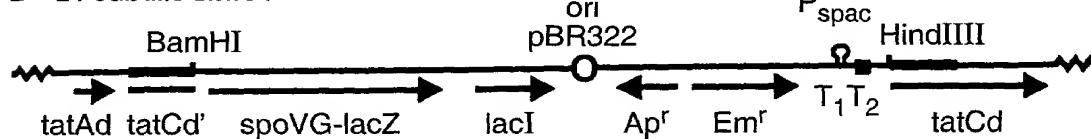
B. subtilis Δ *tatCd*



B. subtilis Δ *tatCy*



B *B. subtilis* Δ *tatCd*



C *B. subtilis* Δ *tatCy*

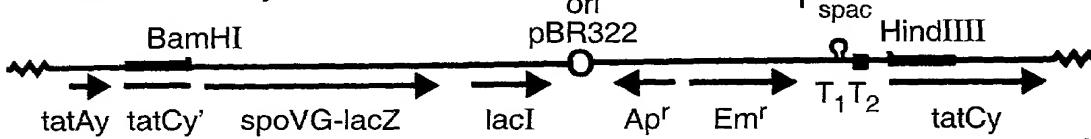


FIG._3

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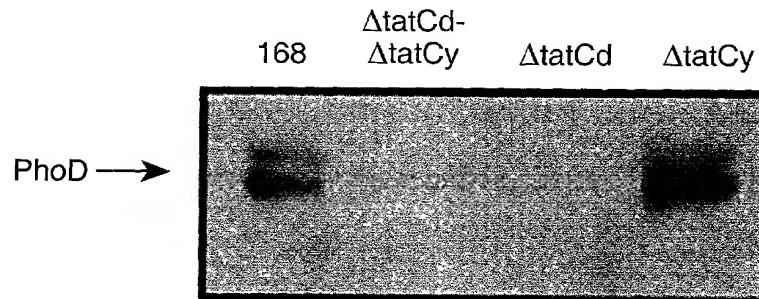


FIG._4A

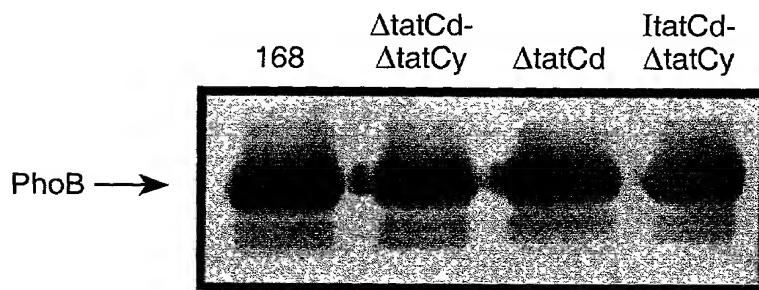


FIG._4B

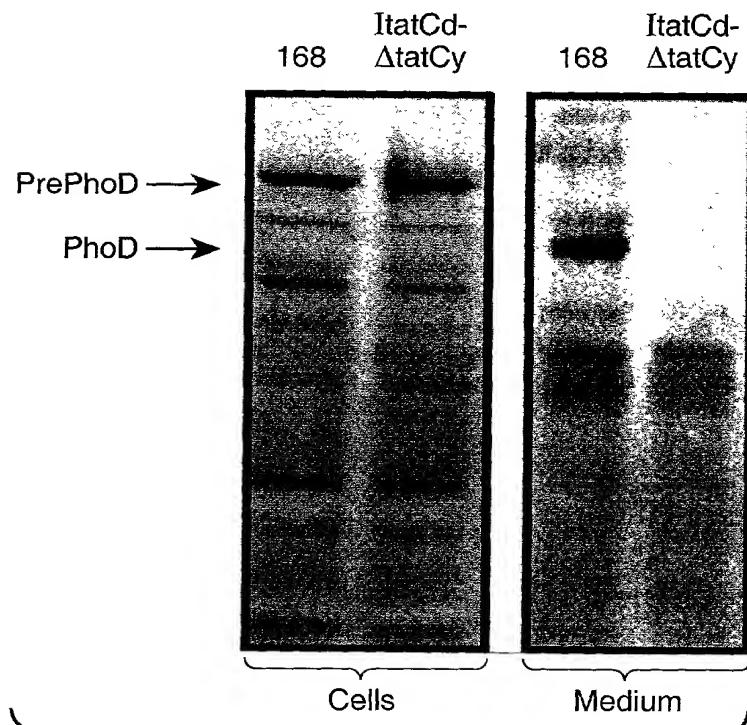


FIG._4C

$\Delta\text{tatCd}-\Delta\text{tatCy}$

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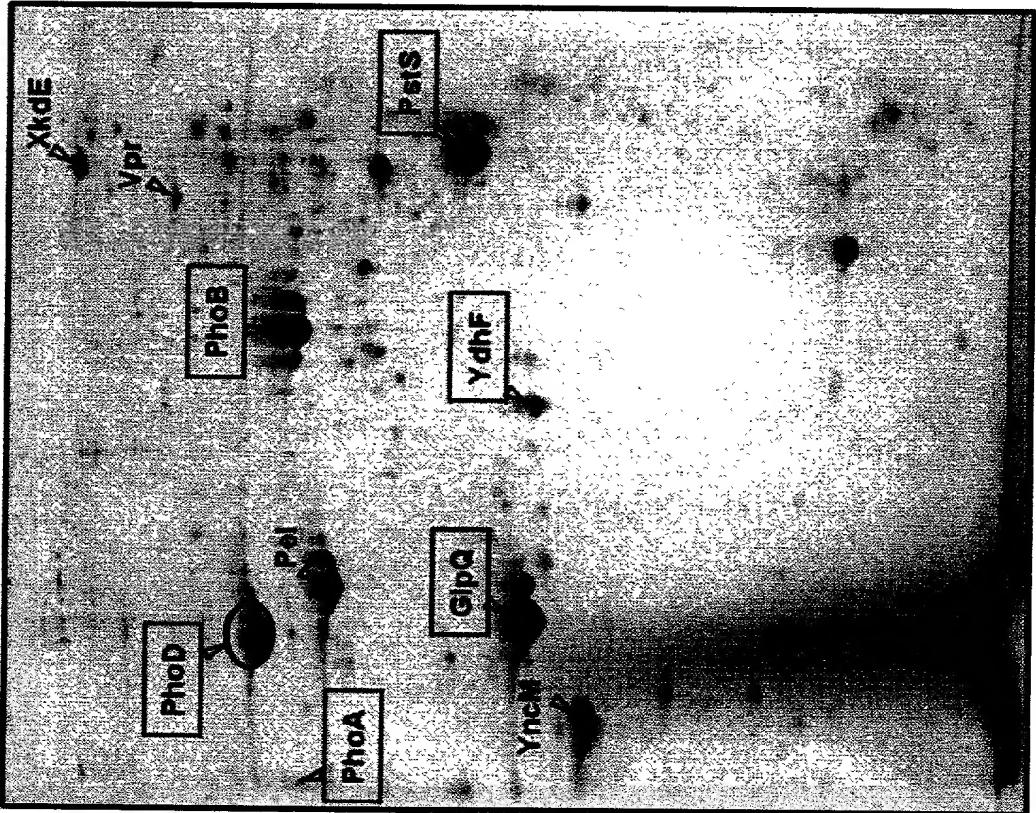
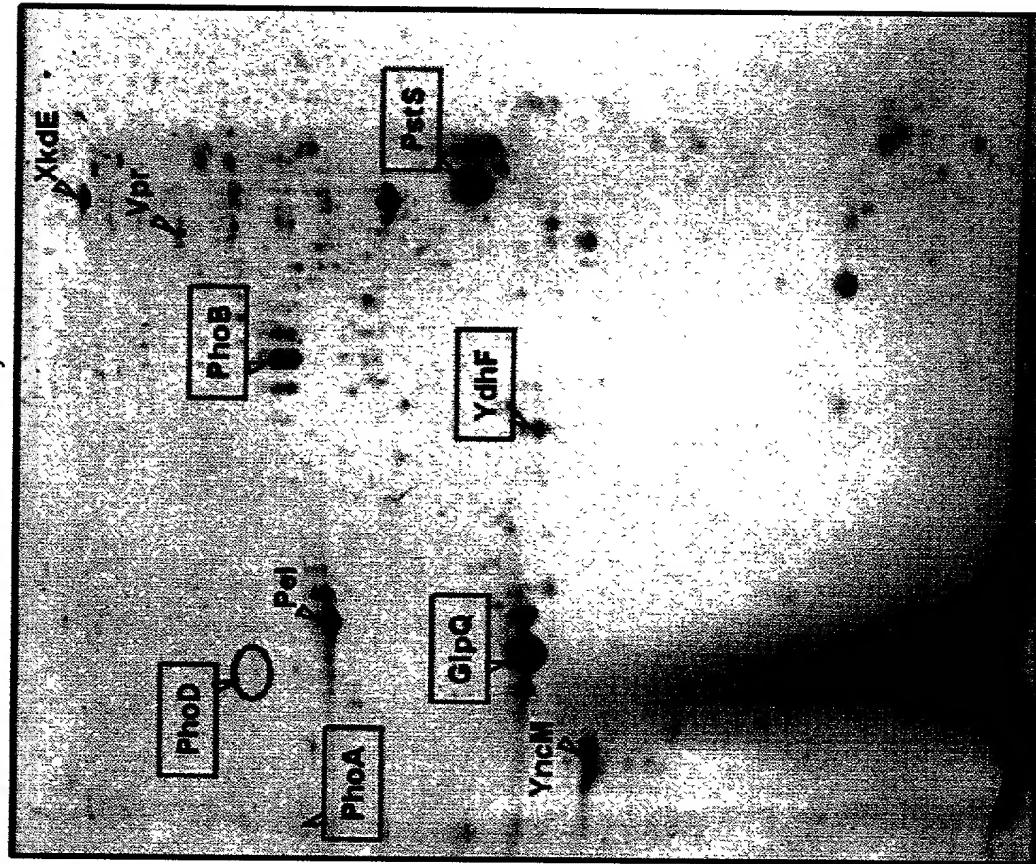


FIG._5

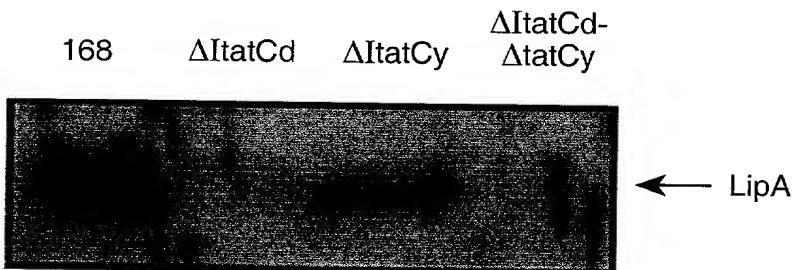


FIG.-6

Protein	N	h	RR-Motif	H	h	C
AlbB	1	0.1	RRILL	27	2.0	AIA
AmyX	9	-0.8	RRSFE	15	1.1	-
AppB	8	0.5	RRTLM	19	2.3	-
LipA	7	-1.1	RIIIA	19	1.2	AKA
OppB	8	-0.6	RRLVY	24	2.0	-
PbpX	2	-2.2	RRRKL	14	2.9	WNA
PhoD	3	-1.3	RRKFI	17	0.9	VGA
QcrA	1	-1.1	RRQFL	19	1.3	-
TlpA	1	-0.8	RRLII	21	2.4	-
WapA	1	-3.0	RRNFK	18	2.3	VLA
WprA	8	-1.7	RRKFS	20	1.9	AAA
YceA	1	-0.4	RRAFL	21	2.2	-
YesM	1	-1.5	RRMKI	20	2.4	QYA
YesW	1	-1.3	RRSCL	19	2.0	VKA
YfkN	1	-1.2	RRTHV	17	1.7	IHA
YkpC	8	-1.0	RRVAI	17	2.3	SLA
YkuE	1	-1.3	RRQFL	17	1.0	GYA
YmaC	7	0.0	RRFLL	15	2.4	YSL
YubF	9	-2.7	RRNTV	23	2.0	-
YuiC	8	0.2	RRLLM	20	1.9	IEA
YvhJ	2	-1.7	RRKIL	18	2.5	-
YwbN	1	-1.8	RRDIL	23	1.4	QTA

FIG.-7

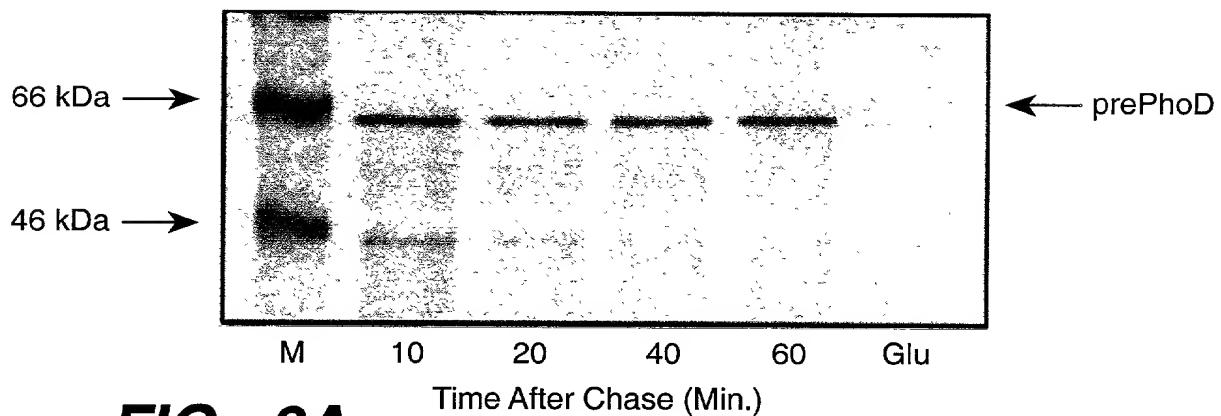
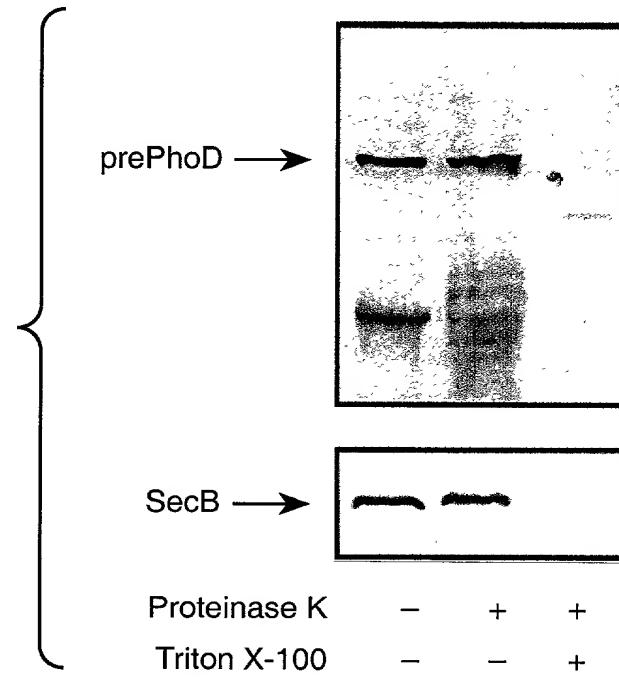


FIG._8A

FIG._8B



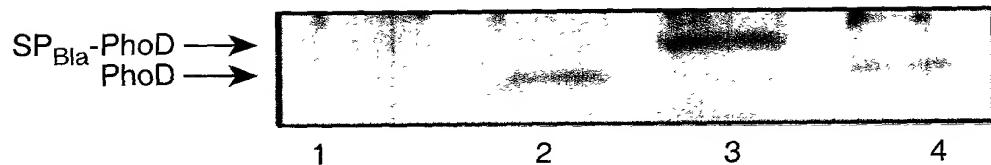


FIG._9A

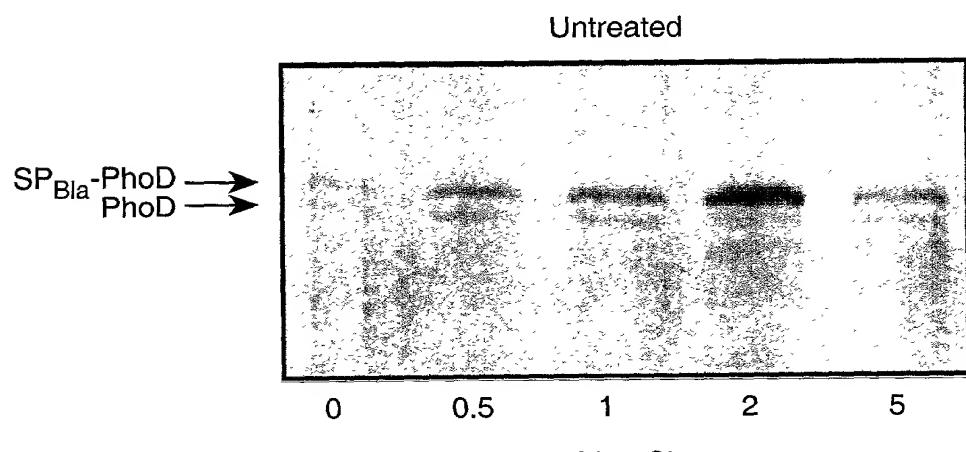


FIG._9B

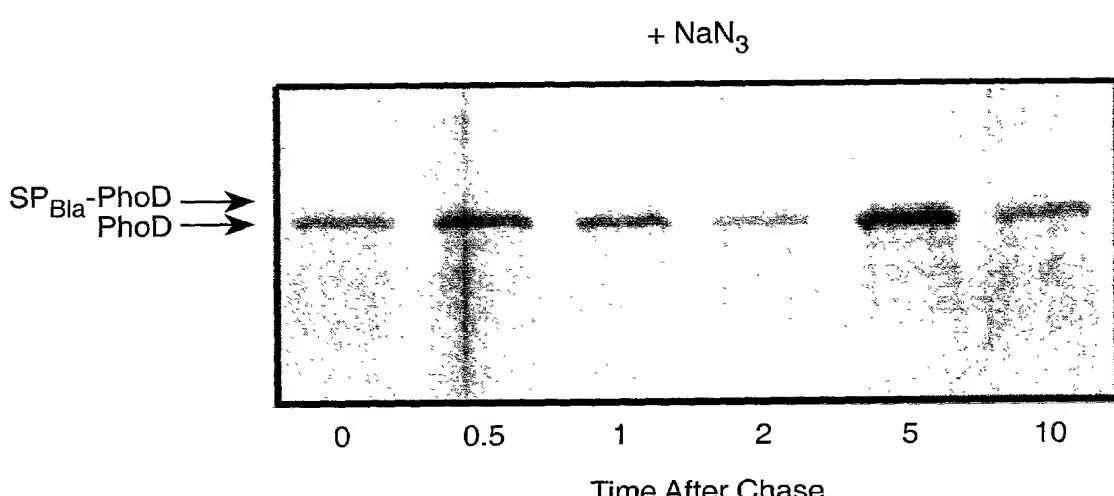
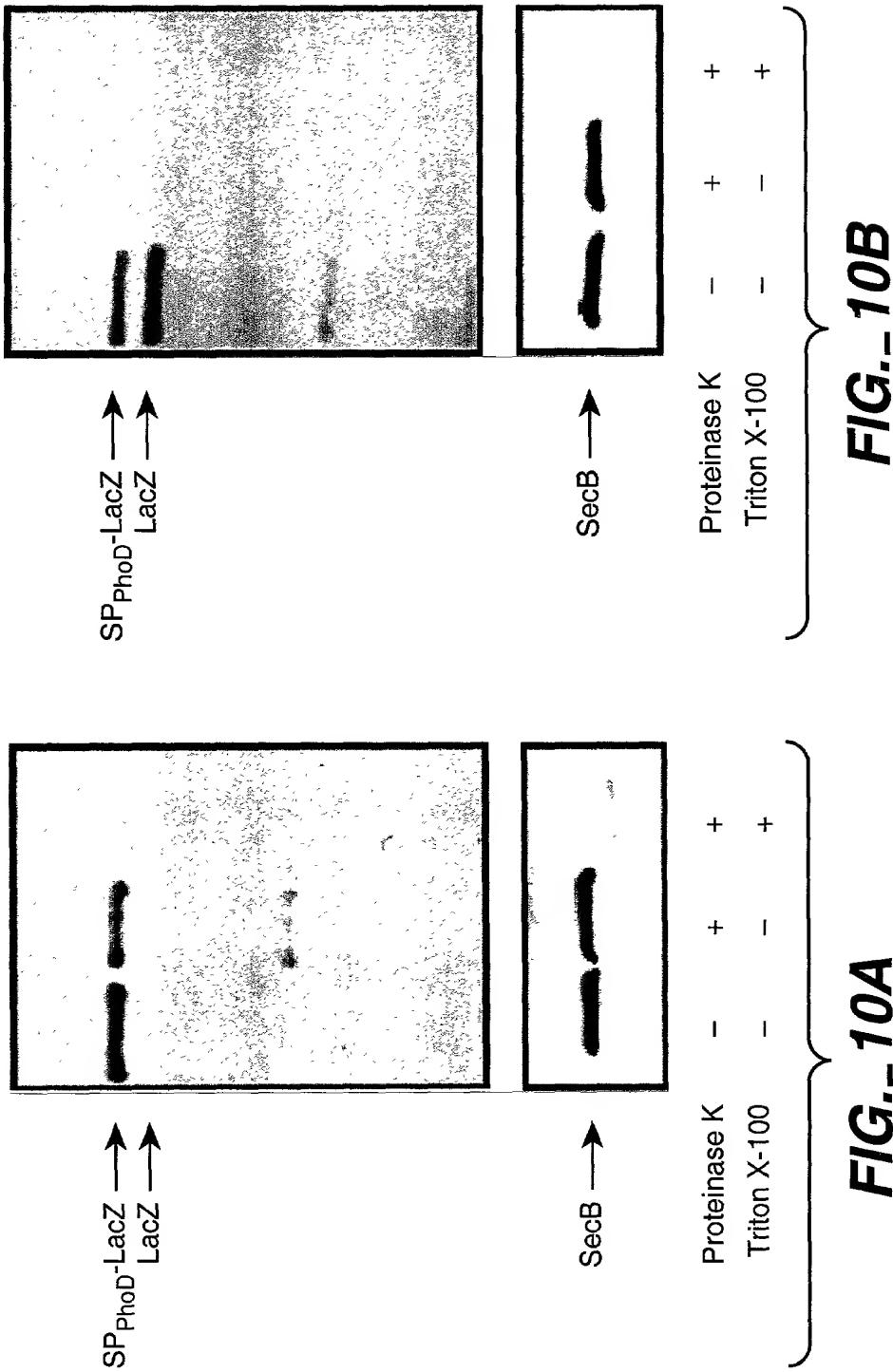


FIG._9C



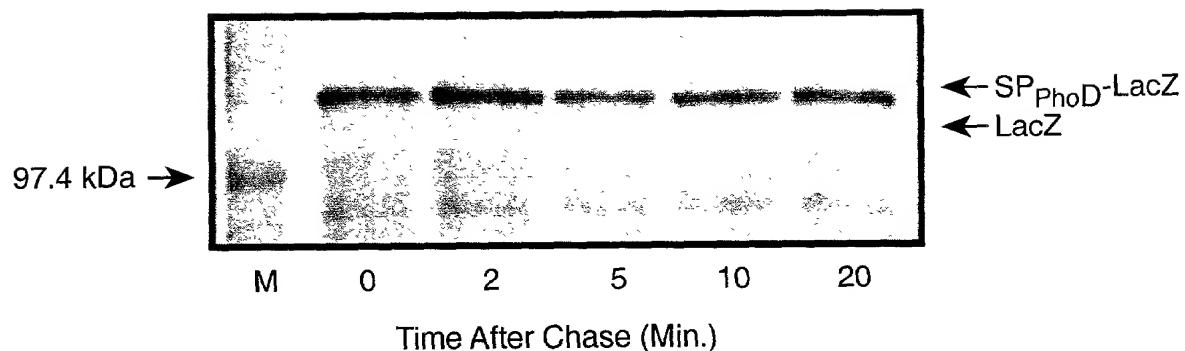


FIG._ 11A

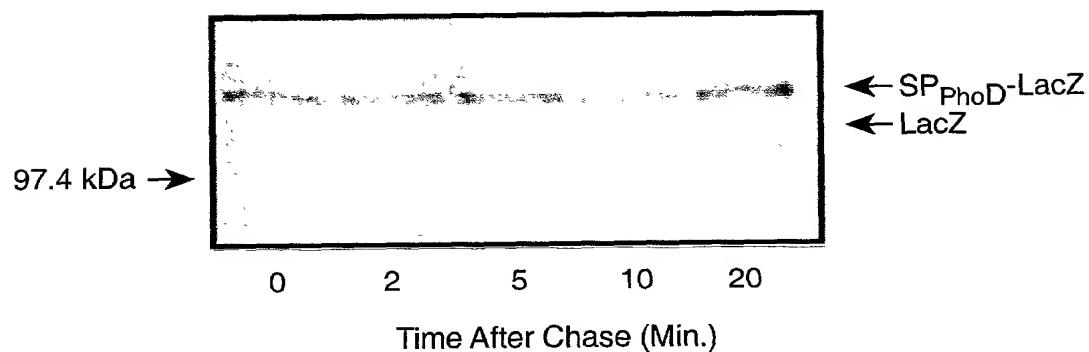


FIG._ 11B

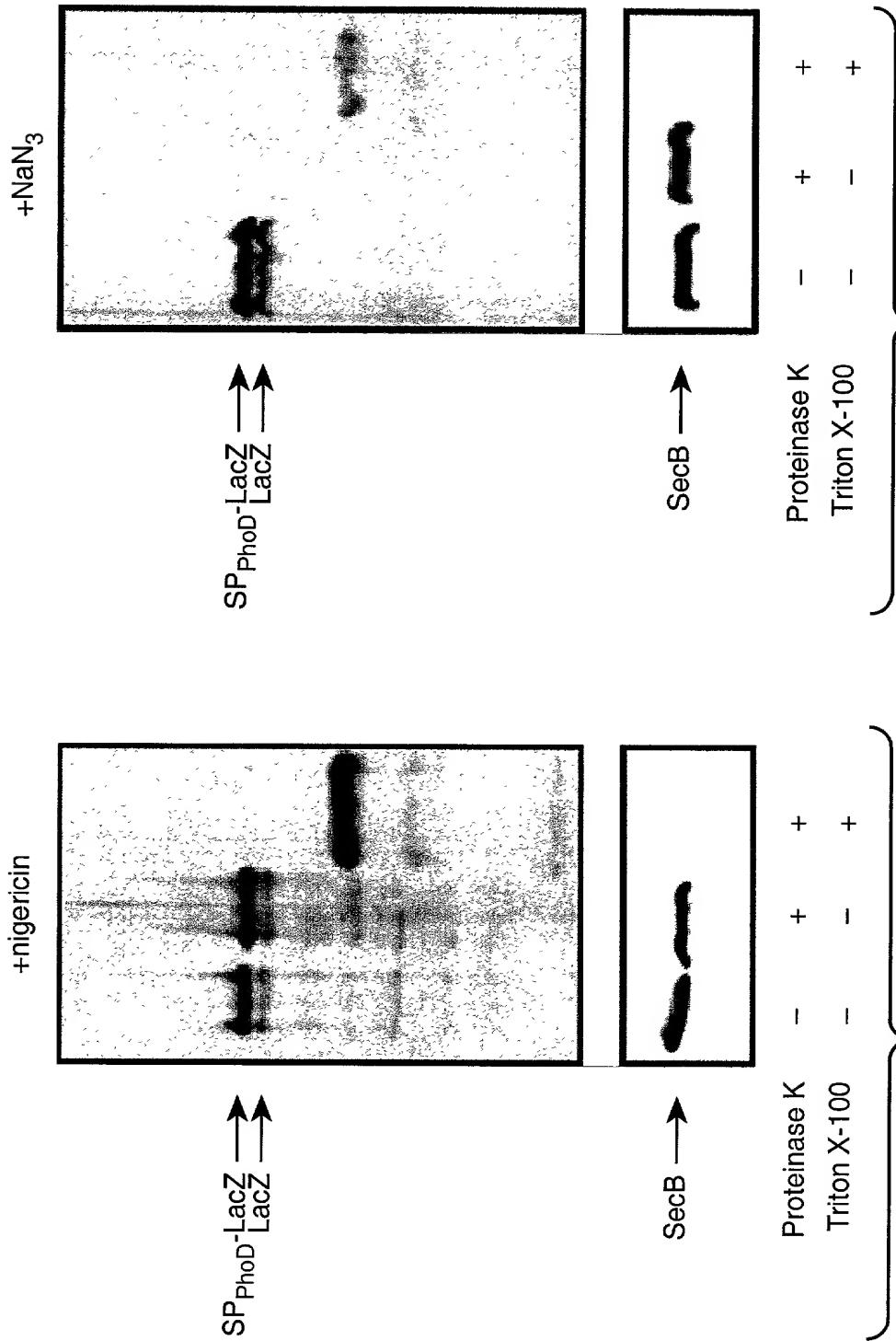


FIG._12A

FIG._12B

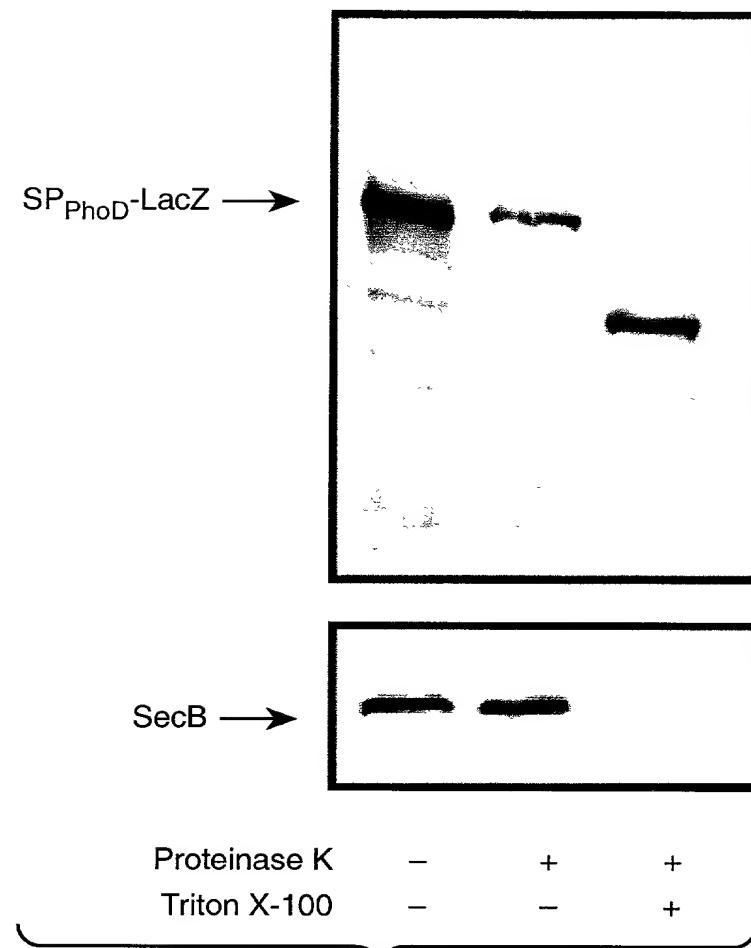


FIG._ 13

Homologs in *B. alcalophilus*

TatA

**MGGLSVGSVVLIALVALLIFGPKKLPELGKAAGSTLREFKNATK
GLADDDDDTKSTNVQKEKA**

TatC

**MTMMTPNQQTSKKKRKGRKGRVPMQDMSIMDHAEELRRRIF
VVLAFFIVALIGGFFAVPVITFLQNSPQAADMPPNAFRLTDPLRV
YMNFAVITALVLIIPVILYQLWAFVSPGLKENEQKATLA YPIIAFL
LFLAGIAFSYFILLPFVISFMGQMADRLEINEMYGINEYFSFLFQL
TIPFGLLFQLPVVVMFLTRLGVVPTFLRKIRKYAYFALLVIAGII
TPPELTSHLFVTVPMLILYEISITISAITYRKYHGT TDHNGQESAK**

FIG._ 14